

No. 112876-2

Office of State Engineer  
DOCUMENT FILE

Appl. Agt. Rattleman, Adm.

East River Co.

1740 388 from A. F. Dev.

Dec 11-12 '31 - 3 F

Dec 11-12 '31 - Dec 25, 1937

4.4 ac. of land appropriated

11

Ally Drew

Form 24A

CERTIFICATE OF CONSTRUCTION OF WORKS  
and  
APPROPRIATION

L.D-3D-1 Job No. 226-19

Name of Project

U. S. Water Right No. U.S. 278-2

S. Choyanaga Water District

TO ALL WHOM IT MAY CONCERN:

This is to Certify, that the United States of America, Department of  
Agriculture, Reclamation Administration, has complied with the

State Laws and has been issued a withdrawal No. U.S. 278 bearing date of  
October 25, 1937 withdrawing from further appropriation 4.4 acre-

feet per annum of water for storage; of the waters of a Dry Draw in the  
Stream  
County of Fall River State of South Dakota, at Point N. 4 00 W.

388° from the SE Cor. Sec. 11, T. 12S., R. 3E.

for Stock Water purposes;

has fully complied with the provisions of the laws of the State of South  
Dakota relating to completion of the works set out and described in  
Section 61.0137, that said works are completed in accordance with infor-  
mation filed in the office of the State Engineer, and 4.4 acre-feet  
per year is thereby appropriated for the above purposes bearing date of  
priority of October 25, 1937.

Witness my hand this 13th day of September 1937.

State Engineer.

Form A

CERTIFICATE OF WITHDRAWAL  
of  
WATER FOR APPROPRIATION  
to the  
UNITED STATES OF AMERICA  
DEPARTMENT OF ~~AGRICULTURE~~  
~~RESCUEMENT ADMINISTRATION~~

Withdrawal No. U.S. 278

LD-SD-1 Job No. 223-19  
Name of Project

Water Division No. 2

S. Choyenne Water District

Fall River  
County

Dr. Dr.  
Source of Appropriation-Stream

The United States of America, Department of Agriculture, Resettlement Administration, having filed "Notice of Intention" to utilize certain heretofore unappropriated public waters of the State of South Dakota, in accordance with the requirements of the statutes of the State of South Dakota, such statutes and authority being contained in Section 31.0137, 1939 Revised Code of South Dakota, now therefore;

This is to certify that there is hereby reserved, of the heretofore unappropriated waters of S. Choyenne District, the annual amount of \_\_\_\_\_ acre-feet of water to maintain storage in No. 19 reservoir created by damming said stream at a point described as follows: 1/4 Sec. 11, T. 13 N., R. 3 E., S. 40 N. feet distant from the SE Corner of Section 11, Township 13, Range 3 to the Northeast. The purpose of such storage is for stock water (end of line)

This is to certify that there is hereby reserved, of the heretofore unappropriated waters of \_\_\_\_\_, a maximum of \_\_\_\_\_ cubic feet per second to be diverted through the \_\_\_\_\_ ditch, canal or pipe line at a point located on the \_\_\_\_\_ bank \_\_\_\_\_ feet distant from the \_\_\_\_\_ Corner of Section \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_ for the purpose of \_\_\_\_\_ during the months of \_\_\_\_\_.

This certificate and withdrawal shall in no manner prejudice, alter, amend or affect the rights of any prior appropriator or prior appropriation of water, nor of any application for appropriation pending on the date of this certificate, but the rights and privileges of any and all such prior appropriators or applicants for appropriation of water shall remain inviolate and intact, the same as if the within withdrawal had not been made.

This certificate shall be and is subject to cancellation in accordance with the provisions of the statutes hereinbefore referred to and under the authority of which this certificate is issued.

In accordance with the provisions of the statutes hereinbefore referred to, this certificate is executed at the State Capitol at Pierre, South Dakota, this 25th day of October, 1937.

\_\_\_\_\_  
State Engineer

RA-7LU-28

DESCRIPTION OF EARTH IMPOUNDING DAM  
RESERVOIR AND SPILLWAY DAM NO. 226

JOB NUMBER 226 - 19

Resettlement Administration  
Lincoln, Nebraska

Region VII

Project South Dakota  
State

LD-SD-1  
Number

A. Location of Dam and Reservoir Tract 3406

SE<sup>1</sup>SE<sup>1</sup> of the Sec. 11 ; Township 12 S. ; Range 3 E. ;

of the Black Hills Meridian; County Fall River.

B. General Data

1. Area of drainage basin above dam: 0.34 sq. miles.

(Note: For areas greater than 5 sq. miles give size to nearest sq. mi.; for areas smaller than 5 sq. miles give area to nearest tenth.)

2. Average annual precipitation on water shed in inches: 16.55

3. Give amount of rainfall in inches and duration of the heaviest downpour that can be expected based upon reliable records or information of the vicinity.

a. 2.46 inches. R =

b. 24 hrs. June 16, 1921. S =

c. U. S. Weather Bureau N =

Source of information.

4. Give description of water shed.

a. The slopes are ~~sod-covered~~, ~~cultivated~~, ~~bare~~.

Clean grass slopes - 15'/1000' slope.

(Note: Answer (a) by striking out words not needed. Only a general description is wanted. If desired, a word or two may be given in the space that is provided.)

b. Average length of drainage basin 0.95 miles.

c. Average width of drainage basin 0.36 miles.

5. Maximum run-off of drainage area at the dam site: 59.0  
cu. ft. per second.

(over)

C. Description of Dam

1. Height above low point of valley at centerline of dam: 13.6 ft.
2. Length along centerline at top of dam: 260.3 ft.
3. Width of top: 10 ft.
4. Upstream slope: 4 ft. horizontally to 1 ft. vertically.
5. Downstream slope: 3 ft. horizontally to 1 ft. vertically.
6. Volume in embankment: 3300 cu. yds.
7. Distance above high-water line to top of dam: 5 ft.
8. Distance above water surface to top of dam when spillway is discharging maximum run-off: 2.5 ft.

D. Description of Spillway

1. Bottom width: 25 ft.
2. Slope of sides: 1.5 : 1 (Give ratio horizontal to vertical.)
3. Gradient of spillway ditch: 0.1 ft. per hundred ft. possible
4. Maximum discharge: 152.4 cu. ft. per second.
5. Depth of water in spillway at time of maximum discharge: 2.5 ft.

(Note: The surface of water in the spillway must be at least 30" below the top of the dam when the spillway is discharging the maximum run-off of the drainage basin.)

E. Description of Reservoir

1. Area when filled to level of spillway: 1.6 acres.
2. Area when half-full: 0.4 acres.
3. Area at depth of two feet: 0.1 acres.
4. Volume when filled to level of spillway: 4.4 acre-ft.
5. Volume when half-full: 0.6 acre-foot.
6. Volume at depth of two feet: 0.1 acre-foot.
7. Average depth when full: 4.3 feet.

(over)

LOCATION NOTION

KNOW ALL MEN BY THESE PRESENTS:

That Oscar Hermstad, District Manager, Bad Lands - Fall River Land Adjustment Project, Resettlement Administration, U. S. Department of Agriculture, whose post office is Rapid City, South Dakota, a citizen of the United States, above the age of 21 years, being in possession of the following described land in the name of the United States, to wit:

Tract 3406 SE  $\frac{1}{4}$   
 \_\_\_\_\_, Section 11, Township 12 S,  
 Range 3 E, B. H. M., in Fall River County, South Dakota.  
 Availing him self of the right granted him under the provisions of Chapter 2,  
 Article \_\_\_\_\_ Paragraph 8239 of the Revised Code of 1919, has located and claims the  
 right to construct a certain dam across a dry draw situated in the SE  $\frac{1}{4}$  of the  
SE  $\frac{1}{4}$  of section 11, township 12 S, range 3 E, B.H.M., for Live  
 Stock Purposes.

Said locator claims for the above purpose 191664 cubic feet of water plus losses due to annual evaporation during the following described annual periods January 1st to December 31st, inclusive, each year.

Said location was made on the 26th day of March, 1936.

Witness my hand and seal this 30th day of June, 1937.

Locator, Project Manager  
Resettlement Administration,  
U. S. Department of Agriculture

STATE OF SOUTH DAKOTA )  
County of Pennington ) ss

On the 30th day of June, 1937, before me

K.K. Damon a Notary Public in and  
for the County and State aforesaid, personally appeared Oscar Hørnstad  
Project Manager to me personally known to be the person who executed the  
foregoing instrument and acknowledged that he executed the same for the use and  
purposes therein set forth.

Witness my hand and official seal the day and date above written.

My Commission Expires: July 10, 1939

Notary Public

RECEIVED

OCT 25 1887

OFFICE OF STATE ENGINEER  
PIERRE, S. DAK.

PETITION

TO DEAN W. LOUKES  
STATE ENGINEER  
STATE OF SOUTH DAKOTA  
PIERRE, SOUTH DAKOTA

Comes now Oscar Hermstad, Project Manager, Bad Lands - Fall River Land Adjustment Project, Resettlement Administration, U.S. Department of Agriculture, whose post office is Rapid City, South Dakota, a citizen of the United States, above the age of 21 years, being in possession of the following described land in the name of the United States, being desirous of obtaining a certificate from the State Engineer in accordance with Sec. 8239, Revised Code of the State of South Dakota, so petitions the State Engineer to wit:

In support of said petition, your affiant deposes and says:

(1) That notice of appropriation, copy of which is hereto annexed and made a part of this petition was posted under date of July 15, 1937, and recorded under date of September 7, 1937.

(2) That the dam referred to in said notice was completed under date of July 29, 1936.

(3) That said dam is 260.3 feet in length and 13.6 feet in height.

(4) That said dam is located upon the land described as follows:

SE $\frac{1}{4}$  of Section 11, Twp 12 South, Rge 3 East,  
B.H.M., Fall River County, South Dakota.

(5) That said land is to be used for Stock Water purposes.

Wherefore your affiant respectfully requests that a certificate be issued to him in accordance with the law in such case made and provided.

FOR HENRY A. MAILLARD

SECRETARY USDA

Subscribed and sworn to before me this 23rd day of Sept, 1937.

[Signature]  
Notary Public

My commission expires: July 10, 1939.

RECEIVED

OCT 25 1937

OFFICE OF STATE ENGINEER  
SIOUX FALLS, S. DAK.

GEORGE A. MASON

TO THE BOARD OF ENGINEERS

FROM THE BOARD OF ENGINEERS

(1) The Board of Engineers of the State of South Dakota

has the honor to acknowledge the receipt of your letter of the 17th day of October, 1937.

(2) The Board of Engineers of the State of South Dakota

has the honor to acknowledge the receipt of your letter of the 17th day of October, 1937.

(3) The Board of Engineers of the State of South Dakota

has the honor to acknowledge the receipt of your letter of the 17th day of October, 1937.

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(13) The Board of Engineers of the State of South Dakota

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(14) The Board of Engineers of the State of South Dakota